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Patent Search - Number: 5290551

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Search statement 1

?us5290551/pn

** SS 1: Results 1

?prt full legalall max

- 1/1 PLUSPAT (C) QUESTEL-ORBIT
- PN US5290551 A 19940301 [US5290551]
- TI (A) Treatment of melanoma with a vaccine comprising irradiated autologous melanoma tumor cells conjugated to a hapten
- PA (A) UNIV JEFFERSON (US)
- PAO Thomas Jefferson University, Philadelphia PA [US]
- IN (A) BERD DAVID (US)
- AP US98533492 19921204 [1992US-0985334]
- FD Cont. of US520649 19900508 [1990US-0520649] (Abandoned)
- PR US98533492 19921204 [1992US-0985334]
- US52064990 19900508 [1990US-0520649]
 IC (A) A61K-037/66 A61K-039/00
- EC A61K-039/00D6 &M
 - A61K-039/00D6
- PCL ORIGINAL (0): 424193100; CROSS-REFERENCE (X): 424085200 424277100
- DT Basic
- CT US4108983
 - Bystryn, J-C., Journal of Immunology, vol. 120 (1), pp. 96-101, (1978).

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Miller and Claman, J. Immunol. 117:1519-1526 (1976).

STG - (A) United States patent

AB - The invention is a haptenized tumor vaccine for the treatment of cancer. Treatment of cancer patients with an autologous, vaccine preceded by low dose cyclophosphamide (CY) induces delayed-type hypersensitivity (DTH) to melanoma cells, and in some cases, regression of metastatic tumors. The efficiency of the process has been increased by immunizing with tumor cells conjugated to the hapten such as DNP, TNP or AED. Additional embodiments of the vaccine include: 1) combining the vaccine with immunomodulating drugs, such as, interleukin-2 (IL2); and 2) purifying the active components of the vaccine by extracting antigens from cancer cells to produce a chemically-defined, haptenated vaccine. The treatment may also be extended to include other types of human cancer.

1/1 LGST - (C) EPO

PN - US5290551 A 19940301 [US5290551]

AP - US98533492 19921204 [1992US-0985334]

ACT - 19980428 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 19980306

- 20020430 US/FP-A [-]

EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE

EFFECTIVE DATE: 20020301

- 20021126 US/PRDP-A [+]

PATENT REINSTATED DUE TO THE ACCEPTANCE OF A LATE MAINTENANCE FEE

EFFECTIVE DATE: 20021028

UP - 2003-22

1/1 CRXX - (C) CLAIMS/RRX

AN - 2449564

PN - 5,290,551 A 19940301 [US5290551]

PA - Jefferson, Thomas University

PT - C (Chemical)

ACT - 19980306 REISSUE REQUESTED

ISSUE DATE OF O.G.: 19980428

REISSUE REQUEST NUMBER: 09/036645

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 1807

Litigation 5,290,551 Myers

Reissue Patent Number:

- 20020430 EXPIRED (20020301)

- 20021126 REINSTATED (20021030)

UP - 1999-00 UACT- 2002-11-26

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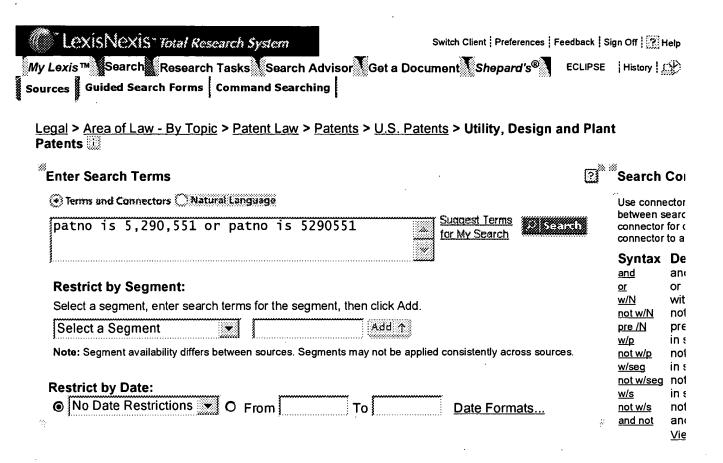
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Terms: patno is 5,290,551 or patno is 5290551 (<u>Edit Search</u>)

985334 (07) 5290551 March 1, 1994

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5290551

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Link to Claims Section

March 1, 1994

Treatment of melanoma with a vaccine comprising irradiated autologous melanoma tumor cells conjugated to a hapten

EXPIRATION: March 1, 2002 - DUE TO FAILURE TO PAY MAINTENANCE FEES (O.G. April 30, 2002)

October 30, 2002 - REINSTATED due to acceptance of delayed payment of maintenance fee (O.G. November 26, 2002)

REISSUE: Reissue Application filed Mar. 6, 1998 (O.G. Apr. 28, 1998) Ex. Gp.: 1807; Re. S.N. 09/036,645, (O.G. April 28, 1998)

APPL-NO: 985334 (07)

FILED-DATE: December 4, 1992

GRANTED-DATE: March 1, 1994

ASSIGNEE-AT-ISSUE: Thomas Jefferson University, Philadelphia, Pennsylvania, United

States (US), 02

CORE TERMS: cell, tumor, patient, vaccine, melanoma, autologous, cancer, antigen, lymphocyte, il2 ...

ENGLISH-ABST:

The invention is a haptenized tumor vaccine for the treatment of cancer. Treatment of cancer patients with an autologous, vaccine preceded by low dose cyclophosphamide (CY) induces delayed-type hypersensitivity (DTH) to melanoma cells, and in some cases, regression of metastatic tumors. The efficiency of the process has been increased by immunizing with tumor cells conjugated to the hapten such as DNP, TNP or AED.< P><P>Additional embodiments of the vaccine include: 1) combining the vaccine with immunomodulating drugs, such as, interleukin-2 (IL2); and 2) purifying the active components of the vaccine by extracting antigens from cancer cells to produce a chemically-defined, haptenated vaccine. The treatment may also be extended to include other types of human cancer.

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Patents

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